



Food Protection Services

RECIRCULATION RETAINED
FUMIGATION CERTIFICATE
PELLET

VESSLE NAME: M/V VIGOROUS

FUMIGATION DATE: DEC 6, 2018

B/L DATE: DEC 6, 2018

B/L No. 01

COMMODITY DESCRIPTION: U.S.NO. 2 BETTER SOFT WHITE WHEAT IN BULK

STOWAGE: HOLD NO(S): 1,2,3,4,5,

QUANTITY: 25,000.000 MT = 55,115,000 LB

LOAD PORT: KALAMA, WASHINGTON, USA

DISCHARGE PORT: ADEN AND /OR SALEEF AND /OR HODEIDAH PORT (S), REPUBLIC OF YEMEN

TO WHOM IT MAY CONCERN:

THIS IS TO CERTIFY THAT WEEVIL-CIDE PELLETS WERE APPLIED TO OR OTHERWISE INTRODUCED INTO THE COMMODITY THAT WAS LOADED IN BULK ABOARD THE ABOVE-MENTIONED VESSEL, BEFORE IT SAILED FROM A PORT IN THE UNITED STATES OF AMERICA.

THIS IS TO FURTHER CERTIFY:

- THAT, THE WEEVIL-CIDE PRODUCT IDENTIFIED ABOVE CONTAINS 60% ALUMINUM PHOSPHIDE BY WEIGHT WHEN APPLIED.
- THAT, A TOTAL OF **402,500** WEEVIL-CIDE PELLETS, WERE PLACED INTO THE COMMODITY SURFACE, IN DUST RETENTION SLEEVES.
- THAT, THE DOSAGE OF PHOSPHINE GAS PRODUCED FROM HYDROGEN PHOSPHIDE WAS **33** GRAMS PER 1000 CUBIC FEET OF HOLD SPACE.
- THAT, A **BEFORE FUMIGATION NOTICE** CONTAINING VOYAGE PRECAUTIONS, FIRST-AID PROCEDURES, AND OTHER PERTINENT INFORMATION WAS DELIVERED TO, REVIEWED, AND SIGNED BY THE CAPTAIN OR HIS REPRESENTATIVE.
- THAT, THE METHOD OF APPLICATION WAS DESCRIBED TO THE CAPTAIN OR HIS REPRESENTATIVE.
- THAT, THE PROPER USE AND OPERATION OF THE SAFETY EQUIPMENT WAS DESCRIBED AND DEMONSTRATED TO THE CAPTAIN OR HIS REPRESENTATIVE.
- THAT, THE FOLLOWING LISTED SAFETY EQUIPMENT AND/OR SUPPLIES WERE ABOARD THE VESSEL PRIOR TO THE FUMIGATION:

2 GAS MASKS	1 GAS DETECTION KITS (PUMPS)
2 CANISTERS (FILTERS)	20 GAS DETECTION TUBES
- THAT, THE TIME OF EXPOSURE IS 33 DAYS VOYAGE TIME.
- THAT, THE TEMPERATURE WAS APPROXIMATELY **60** DEGREES FAHRENHEIT.
- **THAT, THE ABOVE MENTIONED FUMIGATION WAS PERFORMED IN ACCORDANCE WITH F.G.I.S. RULES, INSTRUCTIONS, AND REGULATIONS.**
- THAT, THE **FULL RECIRCULATION METHOD** OF FUMIGATION WAS USED ON THE ABOVE NAMED HOLDS.

FOOD PROTECTION SERVICES, L.L.C.

WSDA CERTIFIED APPLICATOR #7476

FIRST CLASS INDEPENDENT FUMIGATION COMPANY

DATE **DECEMBER 6, 2018**

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